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OFFICE OF
WATER

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8761-3</u> Hydrologic Unit <u>10170102</u> Basin <u>Vermillion</u> Newspaper <u>Yankton Press & Dakotan 605-7811</u> (office use only)
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Application for Permit to Appropriate Water for Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Irrigation Permit Shad Bratberg

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 45055 Hwy 50 Gayville SD 57031
(Address) (City) (State) (Zip Code)

Phone 605-760-3553 Mobile _____ Email _____

2. Amount of water claimed 1.78 *CFS or 800 **GPM _____ ***AF Total Acreage 175
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Missouri Aquifer

4. Location of point of diversion One Well in center of NW quarter of the NE Quarter of Sec. 14 T93 & 94N R54W
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

County YNKTON

5. County or counties where water will be used Yankton

6. Annual period during which water is to be used May 1-Oct 31

7. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
NW 1/4 of the NE 1/4 Sec 14 T93&92 R5	40 33	SW 1/4 of the SE 1/4 Sec 14 T93&92 R 5	40 27
SE 1/4 of the NE 1/4 Sec 14 T93&92 R5	40 37	SW 1/4 of the SW 1/4 Sec 13 T93&92 R 5	40 8
NE1/4 of the SE 1/4 Sec 14 T93&92 R54	40 36	NW1/4 of the NW1/4 of the NW1/4 S13 T9	20 7
NW 1/4 of the SE 1/4 Sec 14 T93&92 R 5	40 27		

8. Give a description of the project. (Attach sheet if more space is needed)

Drill new well in center of the NW 1/4 of the NE 1/4 sec 14 T93&92N R54W to Irrigate approximately 175 acres

I, Shad Bratberg Owner _____, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

15m NW Vermillion

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable)

☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled? ☐ Yes ☒ No Drilled by _____
(if yes, please provide copies of logs)
- b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

- c) Well Depth (required) 100 Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____
- d) Distance to nearest domestic well on applicant's property NA Property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

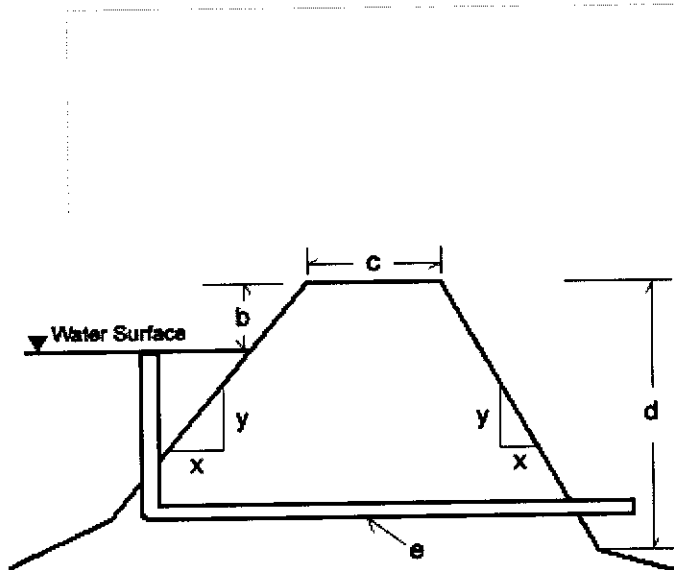
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

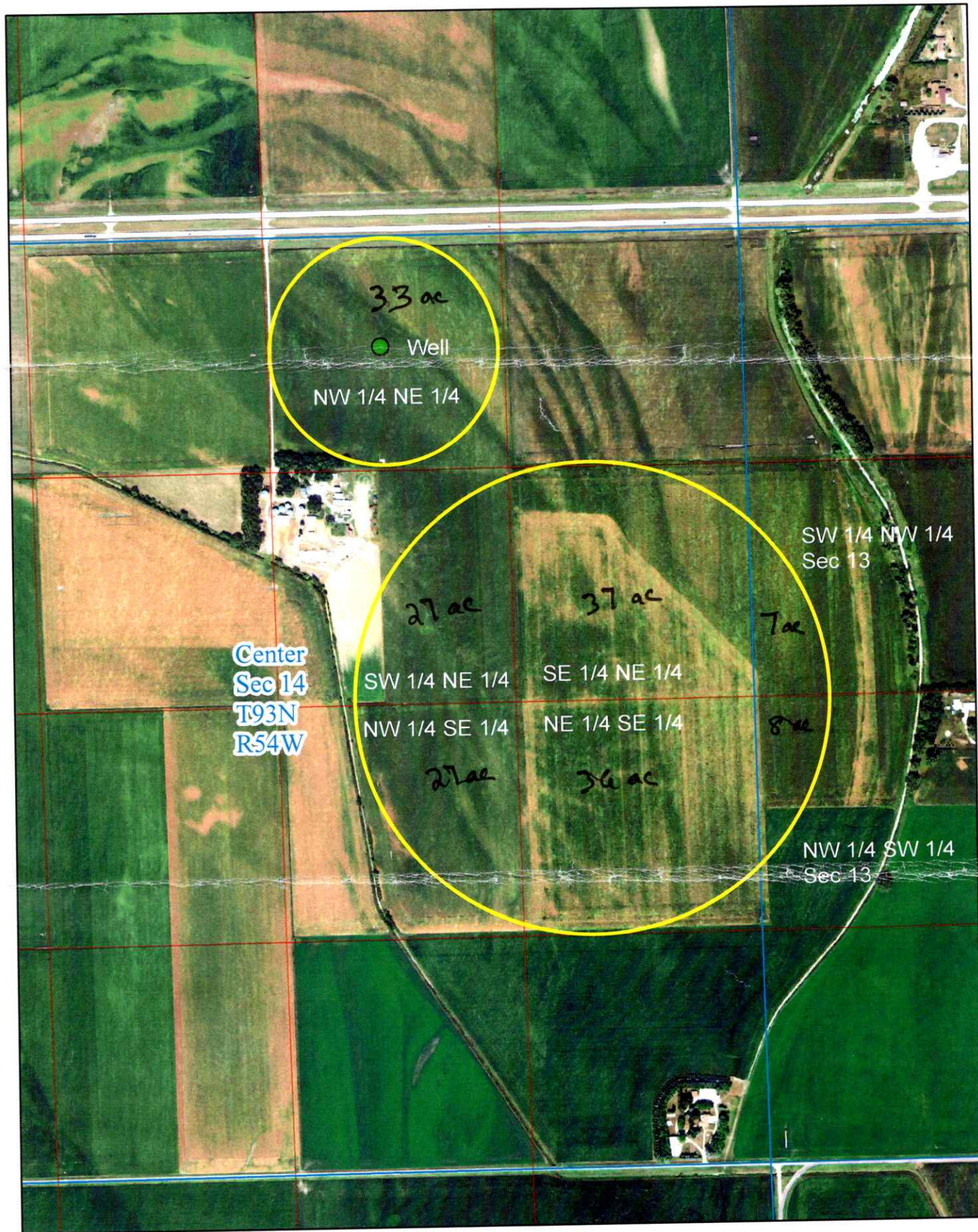
4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres





Well
NW 1/4 NE 1/4

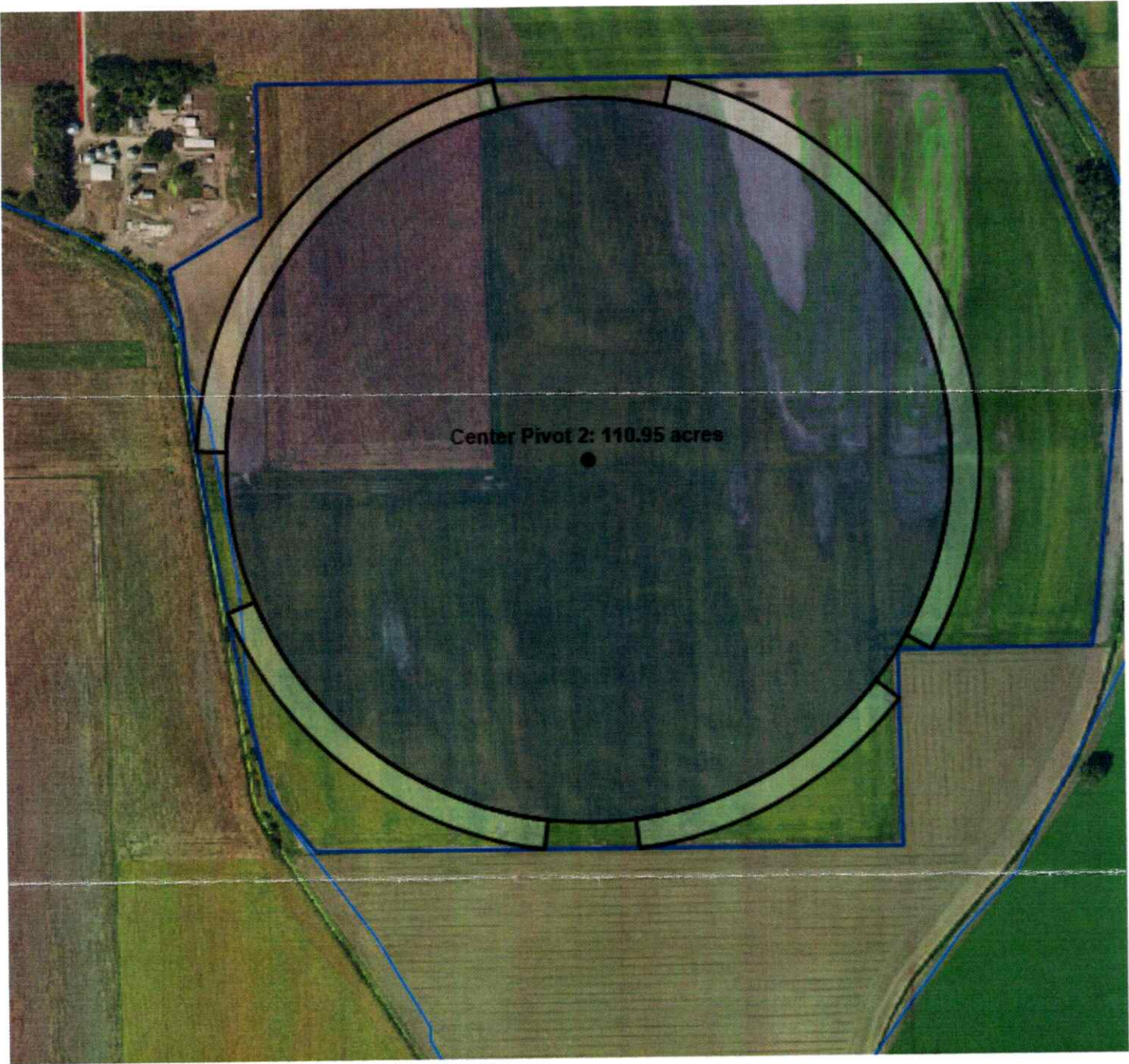
Center
Sec 14
T93N
R54W

SW 1/4 NE 1/4 SE 1/4 NE 1/4
NW 1/4 SE 1/4 NE 1/4 SE 1/4

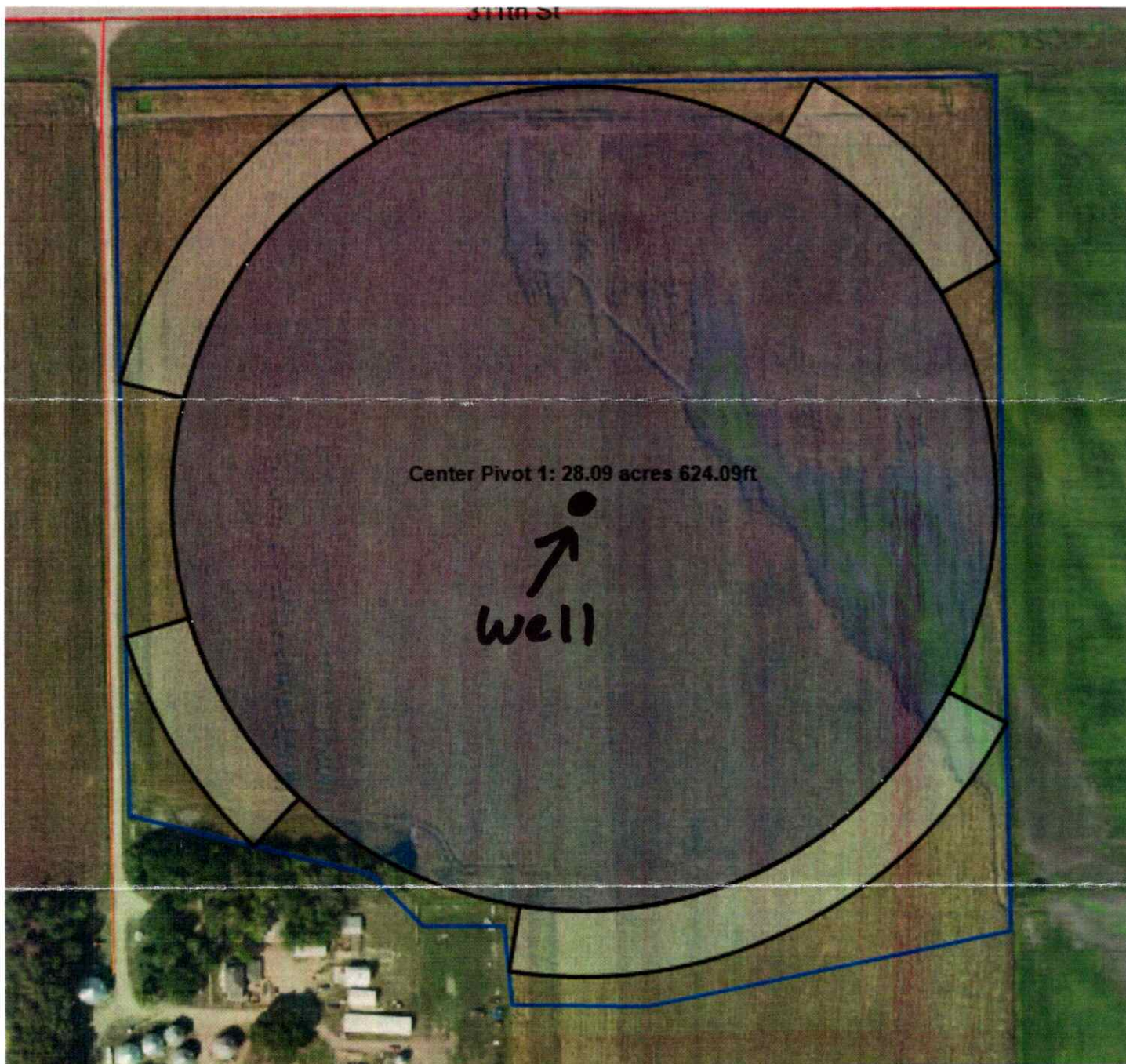
SW 1/4 NW 1/4
Sec 13

NW 1/4 SW 1/4
Sec 13

Grower: Shad Bratberg



Grower: Shad Bratberg



T 93 + 92 N. R 54 W Sec 14